L Number	Hits	Search Text	DB	Time stamp
Number -	26	15/\$.ccls. and catheter	USPAT;	2004/01/21
1			US-PGPUB;	17:47
			EPO; JPO;	
			DERWENT;	
	2810	15/\$.ccls. and abrasi\$4	IBM_TDB USPAT;	2004/01/21
-	2010	15/5.CCIS. and abrasis4	US-PGPUB;	14:39
			EPO; JPO;	11.33
		·	DERWENT;	
		·	IBM_TDB	
-	384	15/\$.ccls. and abrasi\$4 and (disc\$4 or	USPAT;	2004/01/21
		annular) and (tube or pipe or conduit)	US-PGPUB;	14:40
			EPO; JPO; DERWENT;	
			IBM TDB	
_	41	15/\$.ccls. and abrasi\$4 with (disc\$4 or	USPAT;	2004/01/21
		annular) and (tube or pipe or conduit)	US-PGPUB;	16:14
			EPO; JPO;	
			DERWENT;	
		505/2 400 450 470 471 500 7	IBM_TDB	0004/01/01
_	4371	606/1,108,159,170,171,180.ccls.	USPAT; US-PGPUB;	2004/01/21 14:45
			EPO; JPO;	14.47
			DERWENT;	
		•	IBM TDB	
_	426	606/1,108,159,170,171,180.ccls. and	USPĀT;	2004/01/21
		(disc\$4 or annular\$4) and collaps\$4	US-PGPUB;	16:18
			EPO; JPO;	
			DERWENT; IBM TDB	
_	2	606/1,108,159,170,171,180.ccls. and	USPAT;	2004/01/21
		(disc\$4 or annular\$4) with abras\$4 and	US-PGPUB;	14:46
		collaps\$4	EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	0004/05/07
-	2	606/1,108,159,170,171,180.ccls. and (disc\$4 or annular\$4) with abras\$7 and	USPAT; US-PGPUB;	2004/05/27 16:16
		collaps\$4	EPO; JPO;	10.10
		001140041	DERWENT;	
			IBM_TDB	
-	1488	604/22.ccls.	USPAT;	2004/01/21
			US-PGPUB;	14:46
			EPO; JPO; DERWENT;	
			IBM TDB	
_	1852	15/304,406,87,165,104.03,104.05,104.062.cc		2004/01/21
			US-PGPUB;	14:46
		•	EPO; JPO;	
			DERWENT;	
_	27	   15/\$.ccls. and catheter\$4	IBM_TDB USPAT;	2004/01/21
	'	10, 4. colb. and oddiecoly:	US-PGPUB;	14:47
			EPO; JPO;	
			DERWENT;	
		15/4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IBM_TDB	2004/01/01
_	107	15/\$.ccls. and (disc or annular\$4) with abras\$8	USPAT; US-PGPUB;	2004/01/21 16:25
		αυταρόο ,	EPO; JPO;	10.43
			DERWENT;	
			IBM_TDB	,
_	40	15/\$.ccls. and (disc or annular\$4) with	USPAT;	2004/01/21
		abras\$8 and (pipe\$4 or tube\$4 or	US-PGPUB;	16:25
		conduit\$4 or vessel\$4)	EPO; JPO;	
			DERWENT; IBM TDB	
_	1	09/829486	USPAT;	2004/01/21
			US-PGPUB;	16:06
			EPO; JPO;	
		·	DERWENT;	
			IBM TDB	

Search History 5/30/04 12:15:00 PM Page 1

1   15/3.ccls. and disk\$4 with abras\$8   15/4.ccls. and disk\$4 with abras\$8   15/5.ccls. and disk\$4 with abras\$8   15/6.ccls. and abras\$7 and catheter\$4   16/6.ccls.					
-	-	3	"5964004"	USPAT;	2004/01/21
Clean\$4 with disc with (hole\$4 or aperature\$4) with stress\$4   USPAT; US_PEGUB; PEO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; JP					16:11
3   clean\$4 with disc with (hole\$4 or aperature\$4) with stress\$4   SFAT7, aperature\$4) with stress\$4   SFAT7, aperature\$4) with stress\$4   SFAT7, aperature\$4) with stress\$4   SFAT7, aperature\$4) with disk\$4 and (tube or pipe or conduit)   SFAT7, aperature\$4, aper				•	
				1	
aperatures4) with stress\$4   US-GPUED,   EPO; JPO;   DERWENT;   IBM TDB   USPAT;   US-PATE,   USPAT;			-l		2004/01/21
2   15/\$.ccls. and abrasi\$4 with disk\$4 and (tube or pipe or conduit)   US-PGPUB;   US-P	_	3		1	,
DERMENT:   IDM TOB   USPAT:			aperatures4) with stresss4	1	16.12
15/3.ccls. and abrasis4 with disk94 and (tube or pipe or conduit)				1	
22   15/\$.ccls. and abrasis4 with disks4 and (tube or pipe or conduit)   USFAT; US-PGPUB; EPO; JPO; DERWENT; IBM TOB USFAT; US-PGPUB; EPO; JPO; DERWENT; IBM TOB USFAT; US-PGPUB; PEO; JPO; JPO; DERWENT; IBM TOB USFAT; US-PGPUB; PEO; JPO; JPO				1	
Second   S		22	15/9 ccls and abrasis4 with disk\$4 and	<del>-</del>	2004/01/21
### Page 12				ŧ.	1
- 69 606/1,108,159,170,171,180.ccls. and USPAT; (disk\$4) and collaps\$4 US-PGUB; EPO; JPO; DEWENT; IEM TDB USPAT; US-PGUB; EPO; JPO; JPO; DEWENT; IEM TDB USPAT; US-PGUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J			( dabb of pipe of bondary)	1	
69   666/1,108,159,170,171,180.ccls. and   USPĀT;   16:18					
Continue				IBM TDB	
15/\$.ccls. and disk\$4 with abras\$8	-	69	606/1,108,159,170,171,180.ccls. and	USPAT;	2004/01/21
- 61 15/\$.ccls. and disk\$4 with abras\$8			(disk\$4) and collaps\$4	US-PGPUB;	16:18
15/\$.ccls. and disk\$4 with abras\$8			<u>-</u>	EPO; JPO;	
- 61 15/\$.ccls. and disk\$4 with abras\$8				DERWENT;	
15/\$.ccls. and (disc\$4 or annular\$4) with abras\$8   15/\$.ccls. and (disc\$4 or annular\$4) with abras\$8   16:25   16:26   16:27   16:2					
- 153 15/\$.ccls. and (disc\$4 or annular\$4) with abras\$8	-	61	15/\$.ccls. and disk\$4 with abras\$8		1
15/\$.ccls. and (disc\$4 or annular\$4) with abras\$8   15/\$.ccls. and (disc\$4 or annular\$4) with abras\$8   15/\$.ccls. and disk\$4 with abras\$8 and (pipe\$4 or tube\$4 or conduit\$4 or vessel\$4)   16:26   16:27   16:27   16:26   16:26   16:26   16:26   16:26   16:26   16:26   16:26   16:26   16:27					16:25
153   15/\$.ccls. and (disc\$4 or annular\$4) with   15/\$.ccls. and disk\$4 with abras\$8   15/\$.ccls. and disk\$4 with abras\$8 and (pipe\$4 or tube\$4 or conduit\$4 or usperment; IBM TDB usp				1	
- 153 15/\$.ccls. and (disc\$4 or annular\$4) with abras\$8				1	
- 24   15/\$.ccls. and disk\$4 with abras\$8 and (pipe\$4 or tube\$4 or conduit\$4 or vessel\$4)   2004/01/21   16:26			15/4		2004/01/01
### Page 18	-	153			
- 24   15/\$.ccls. and disk\$4 with abras\$8 and (pipe\$4 or tube\$4 or conduit\$4 or vessel\$4)   USPAT; US-PGPUB; PEPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; PE			aprasşo		16:70
15/\$.ccls. and disk\$4 with abras\$8 and					
- 24   15/8.ccls. and disk\$4 with abras\$8 and   USPĀT;   2004/01/21   16:26				1	
(pipe\$4 or tube\$4 or conduit\$4 or		24	15/6 gglg and digk\$4 with abrag\$8 and		2004/01/21
Vessel\$4	_	24			
- (606/\$.ccls. or 604/\$.ccls. or 15/\$.ccls.) and (disc\$4 or disk\$4 or annular\$4) with (hole\$4 or aperature\$4)					10.20
- 15 (606/\$.ccls. or 604/\$.ccls. or 15/\$.ccls.) and (disc\$4 or disk\$4 or annular\$4) with (hole\$4 or aperature\$4) with stress\$4  - 1 "09826487"  - 417 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 299 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or copen\$4 or enlarge\$4)  - 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or open\$4 or enlarge\$4)  - 61 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or open\$4 or enlarge\$4)  - 61 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or open\$4 or enlarge\$4)  - 65 4729763.URPN.  - 65 4729763.URPN.  - 65 4729763.URPN.  - 10 10 15/\$.ccls. or disk\$4 or disk\$4 or disk\$4 or disk\$4 or disk\$4 or open\$4 or enlarge\$4 or disp\$5 or disp\$6 or disp\$6 or open\$4 or enlarge\$4 or disp\$7. IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB;			Vessel 17		
- 1 (606/\$,ccls. or 604/\$,ccls. or 15/\$,ccls.) and (disc\$4 or disk\$4 or annular\$4) with (hole\$4 or aperature\$4)  - 1 "09826487"  - 1 "09826487"  - 31 "09826487"  - 417 606/1,108,159,170,171,180.ccls. and abras\$7  - 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4  - 299 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and (flute\$4 or taper\$4 or diameter\$4) with catheter\$4  - 61 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and (flute\$4 or taper\$4) with catheter\$4  - 61 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and (flute\$4 or taper\$4) with catheter\$4)  - 62 63 4729763.URPN.					
15/\$.ccls.) and (disc\$4 or disk\$4 or annular\$4) with (hole\$4 or aperature\$4)   US-PGUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; USPAT; US	_	5	(606/\$.ccls. or 604/\$.ccls. or		2004/01/21
annular\$4) with (hole\$4 or aperature\$4)			15/\$.ccls.) and (disc\$4 or disk\$4 or	1	16:27
- 1 "09826487"				EPO; JPO;	
- 417 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4 or dapras\$7 and (expand\$4 or copen\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4  - 61 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or copen\$4 or enlarge\$4)  - 65 4729763.URPN.			with stress\$4		
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB					
### Property of the property of taper\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4  ###################################	-	1	"09826487"	USPAT;	i i
- 417 606/1,108,159,170,171,180.ccls. and abras\$7  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4  - 299 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 61 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or open\$4 or enlarge\$4) with catheter\$4)  - 65 4729763.URPN.				1	17:47
- 417 606/1,108,159,170,171,180.ccls. and abras\$7  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4  - 299 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 301 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4 or diameter\$4) with catheter\$4)  - 302 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 313 606/1,108,159,170,171,180.ccls. and taper\$4 or taper\$4 or diameter\$4 or taper\$4 or diameter\$4 or taper\$4 or tap		1			
- 417 606/1,108,159,170,171,180.ccls. and abras\$7  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4  - 299 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 313 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 314 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) uspart; lbM_TDB  - 315 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 316:17  - 317:11  - 318 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 318 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 319 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$5 or collaps\$4 or open\$4 or enlarge\$4 o					
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- 312 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4  - 299 606/1,108,159,170,171,180.ccls. and abras\$7 and catheter\$4 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 312 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) with catheter\$4)  - 313 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 314 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 315 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 316 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 317 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) us-pgpub; taper\$4 or taper\$4					
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- 201 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) or diameter\$4) with catheter\$4)  - 61 606/1,108,159,170,171,180.ccls. and abras\$7 and (expand\$4 or collaps\$4 or open\$4 or enlarge\$4) and ((flute\$4 or taper\$4) with catheter\$4)  - 65 4729763.URPN.    IBM_TDB USPAT;   2004/05/27   17:12   180.ccls. and   18			collaps\$4 or open\$4 or enlarge\$4)		
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	83	("2701559"   "2850007"	"3064651"	USPAT	2004/05/27
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	1	"3082805"   "3614953"	"3683891"		17:31
		"3732858"   "3749085"	"3800783"		
		"3945375"   "3976077"	"4007732"		
		"4030503"   "4038958"	"4177797"		
		"4273128"   "4368730"	"4436091"		
		"4445509"   "4490139"	"4512344"	,	
		"4631052"   "4589412"	1 "4603694"		
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		"4646719"   "4646736"	•		
		"4653496"   "4664112"	"4669469"		
		"4686982"   "4696667"	"4706671"		
	i	"4728319"   "4729763"	"4732154"		
		"4745919"   "4747406"	"4754755"		
		"4765332"   "4771774"	"4781186"		
		"4784636"   "4790812"	"4794931"		
		"4819634"   "4842579"	"4844064"	ļ	
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	1	"4883458"   "4886490"	"4887613"		
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		"4966604"   "4979939"	"4979951"		
		"4986807"   "4990134"	"4994067"		
		"5002553"   "5007896"	"5009659"		
1		"5019088"   "5026384"	"5030201"		
	}	"5047040"   "5071425"	"5078723"		
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		"3732858"   "3749085"	"3800783"		
1		"3945375"   "3976077"	"4007732"		
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		"4883458"   "4886490"			
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		"4273128"   "4443165"			17:44
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